

Notice of Allowability

Application No.

09/889,966

Examiner

Aaron W. Carter

Applicant(s)

RAINSFORD, PATRICK J.

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/26/06.
2. ☒ The allowed claim(s) is/are 1-35.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 4/19/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

JINGGE WU
PRIMARY EXAMINER

DETAILED ACTION

1. This action is responsive to papers filed on May 26, 2006.

Response to Amendment

2. In response to applicant's amendment received on May 26, 2006, all requested changes to the specification and claims have been entered. Claims 28-35 have been added.

Response to Arguments

3. Applicant's arguments, see Remarks, pages 33-39, filed May 26, 2006, with respect to claims 1 and 14 have been fully considered and are persuasive. The 35 USC 103(a) rejection of claims 1 and 14 has been withdrawn.

Allowable Subject Matter

4. Claims 1-35 are allowed.

5. The following is an examiner's statement of reasons for allowance:

As to claims 1, 14 and 28-35, none of the prior art teach or fairly suggest the limitations of "identifying shots containing related content to form a sequence of **shots** containing related content", "selecting at least one key-frame within each sequence of **shots**", "associating the interactive data with the object in the key-frame", and "interactive data is embedded with data representative of said object in a data sequence", in combination with the other limitations of the claims. The prior art of Isadore-Barreca discloses the parsing a video programme to identify

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separate shots to produce a edit list, which involves identifying **frames** containing related content to form a sequence of **frames** containing the related content, selecting a key-frame from the sequence of **frames** and identifying an object in the key-frame, in which to embed interactive data. Isadore-Barreca does not teach or fairly suggest identifying **shots** containing related content to form a sequence of **shots**, selecting a key-frame from the sequence of **shots**, identifying an object in the key-frame, associating the interactive data with the object in the key-frame, and interactive data is embedded with data representative of said object in a data sequence as disclosed in the limitations of claims 1, 14 and 28-35.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

USPN 6,426,778 to Valdez, Jr. discloses embedding interactive data in video.

USPN 6,570,587 to Efrat et al. discloses embedding interactive data in video.

USPN 7,013,051 to Sekiguchi et al. discloses embedding interactive data in video.

USPN 5,561,457 to Cragun et al. discloses embedding interactive data in video.

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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron W. Carter whose telephone number is (571) 272-7445.

The examiner can normally be reached on 8am - 4:30 am (Mon. - Fri.).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jingge Wu can be reached on (571) 272-7429. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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JINGGE WU
PRIMARY EXAMINER